

Worksheet 1: Literature Evaluation Template

Article	Research Question	Methods	Key Findings	Strengths/Weaknesses	Relevance to My Research
A Research on Cloud Computing by Benneth Uzoma and Bonaventure Okhuoya (2022)	What are the fundamental aspects of cloud computing?	Literature review	Comprehensive overview of cloud computing, including architecture, service models, benefits, and challenges.	Strength: Covers all basic aspects of cloud computing. Weakness: Lacks empirical data.	Provides foundational knowledge necessary for research.
Cloud Computing– Research Issues, Challenges, Architecture, Platforms and Applications: A Survey by Dr. Santosh Kumar Bharti and R. H. Goudar (2012)	What are the major challenges and research issues in cloud computing?	Survey-based study	Identifies security, privacy, and reliability issues. Compares cloud computing with grid computing.	Strength: Extensive survey of cloud issues. Weakness: Outdated in certain areas.	Useful for understanding long-standing cloud computing challenges.
Cloud Computing: Applications, Challenges and Open Issues by Sahil Mishra and Sanjaya Kumar Panda (2023)	What are the applications and challenges in cloud computing?	Analytical study	Discusses real-world applications and key challenges in cloud computing.	Strength: Practical insights. Weakness: No implementation-based study.	Relevant for understanding practical applications and open challenges.
Research Challenges and Prospective Business Impacts of	How does cloud computing impact	Survey	Analyzes cloud computing's business	Strength: Strong industry focus. Weakness: Limited empirical case studies.	Helps in understanding business aspects

Cloud Computing: A Survey by Amin Keshavarzi et al. (2020)	businesses, and what challenges remain?		impacts and challenges.		of cloud computing.
A Comprehensive Vision on Cloud Computing Environment: Emerging Challenges and Future Research Directions by Sakshi Chhabra and Ashutosh Kumar Singh (2022)	What are the key research directions in cloud computing?	Literature review	Identifies security, resource management, and load balancing as major research areas.	Strength: Broad research coverage. Weakness: No technical implementation details.	Useful for identifying new research topics.
Cloud Computing Research and Security Issues by Jianfeng Yang and Zhibin Chen (2011)	What are the security concerns in cloud computing?	Literature review	Discusses key security and privacy issues.	Strength: Early identification of security concerns. Weakness: Needs updates to reflect modern threats.	Important for security-focused research.
Cloud Hooks: Security and Privacy Issues in Cloud Computing by W.A. Jansen (2011)	What are the security and privacy vulnerabilities in cloud computing?	Case analysis	Highlights major security vulnerabilities.	Strength: Detailed security analysis. Weakness: Outdated methodologies.	Essential for understanding privacy concerns in cloud computing.
Cloud Computing Research and Development Trend by Shuai Zhang et al. (2010)	What are the trends in cloud computing research?	Trend analysis	Reviews cloud computing development trends.	Strength: Provides historical perspective. Weakness: Lacks current insights.	Useful for tracking cloud computing evolution.

Worksheet 2: Synthesising Literature

Similarity Analysis and Thematic Categorization

Theme	Key Studies	Findings	Gaps Identified
Fundamental Aspects of Cloud Computing	Uzoma & Okhuoya (2022)	Provides a broad overview of cloud computing, covering architecture, service models, and benefits.	Lacks empirical data to support claims.
Challenges in Cloud Computing	Bharti & Goudar (2012), Mishra & Panda (2023), Keshavarzi et al. (2020), Chhabra & Singh (2022)	Identifies major issues such as security, privacy, and resource management.	Some studies are outdated; lacks hands-on implementations.
Security Concerns in Cloud Computing	Yang & Chen (2011), Jansen (2011), Zou et al. (2022)	Discusses security and privacy vulnerabilities in cloud computing environments.	Older research lacks modern security updates.
Applications and Business Impacts	Mishra & Panda (2023), Keshavarzi et al. (2020)	Examines real-world applications and business benefits of cloud computing.	No implementation-based studies to validate claims.
Future Trends and Research Directions	Zhang et al. (2010), Chhabra & Singh (2022), Islam et al. (2023)	Highlights historical development and emerging trends in cloud computing.	Some insights may be outdated due to rapid cloud evolution.
Cloud Computing Architecture & Models	Uzoma & Okhuoya (2022), Bharti & Goudar (2012)	Provides a comprehensive overview of cloud computing architecture, service models, and platforms.	Lacks in-depth technical implementation details

			and real-world case studies.
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